HSG260-PRT Visitor Gateway Kit

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The **4ipnet HSG260-PRT** is the most economical yet feature-rich **Visitor Access Gateway**, targeting corporate and small offices that wishes to provide a secure, instant wireless internet access service to their visitors in it's reception area, meeting rooms and offices.

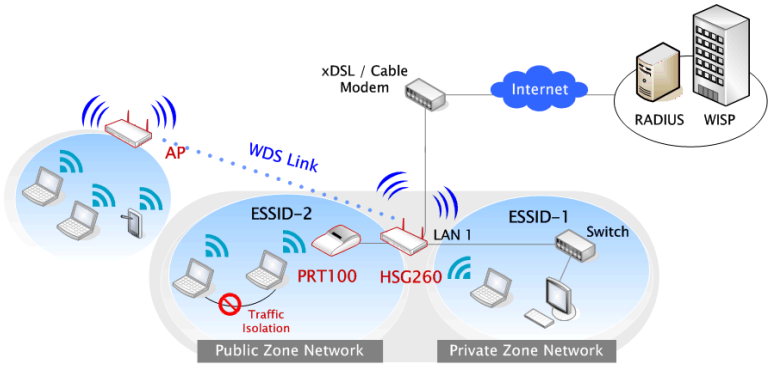
The HSG260-PRT Visitor Gateway Kit is one of the best solutions for people without any IT background to setup Wireless Internet Service. It does not require cashing in on a pile of complicated equipment, nor does it require the skills of an IT expert to understand how simple the package works.

The HSG260-PRT package comes with two major parts including: **HSG260 Wireless Hotspot Gateway** and **PRT100 POS Printer.** It is feature-packed for operation, built-in 802.11n/b/g access point, web server and a customizable web pages for clients to login, easy logo-loading for corporate image, simple user/visitor account management tool, network visitor's ticket printing, service plan selection, traffic logs, IP sharing and etc. Equipped with 4ipnet's patent-pending **4ipWES (Press-n-Connect)** technology, the HSG260-PRT is able to establish an automatic WDS link with up to 2 access points at the touch of a button. Extending wireless network coverage in your office is a breeze.

Setting up a visitor internet access service in the office is fast and easy. The HSG260 connects to the Internet pipe via ADSL/Cable/Satellite modem, and PRT100 POS Printer connects directly to the HSG260 through the TCP/IP (in RJ-45) port.

In reception areas and meeting rooms, it has become necessary for corporations to provide a fast and easy wireless internet access for its visitors. This will allow access to obtain live business information, retrieving e-mail during conference meetings, voice-over-IP calls, and up-/downloading video streaming by handheld devices within the existing corporate network.

For small professional offices such as accounting or law firms who demand high-level network security, a standalone HSG260-PRT enables the offices to provide fast-n-easy but managed Internet service to their clients or visitors in an isolated fashion, free of charge, and securely preventing unauthorized access to the intranet.



FEATURES & BENEFITS

2.4GHz 2 x 2 MIMO Field Replaceable Antenna & IEEE 802.11n/b/g

- The antenna diversity design enhances the connection reliability to improve data transmission capability
- Two detachable antennas for optimal wireless coverage and field replacement flexibility
- Equipped with a high-speed IEEE 802.11n/b/g wireless network interface, transmission rates up to 300Mbps

Easy Deployment Methods

- Support various broadband connection deployment options (T1, DSL, Cable) via static IP, DHCP, PPPoE, or PPTP.
- Integrated access point enables Wi-Fi access and eliminates the need for additional device
- Multiple authentication options (RADIUS, Free, On-demand, and Local)
- Quick Button designed to print accounts by one push of the button
- WES button extending wireless coverage by WDS or pushing AP settings automatically

Integrated Security Features

- Standard-based data encryption and user authentication: WEP, WPA, etc.
- Secure guest and administrator access using web-based login and administration over SSL
- Configurable packet filtering policies enhance data traffic security
- Built-in DoS protection prevents malicious hackers from collapsing the network

Effective User Management

- Group, Policy, and Schedule that separates networks guests by the combination of time, Quality of service, session constraints, and other management functions.
- Complete authentication mechanism blocking unauthenticated users from gaining access to the network
- "On-line user list" monitors real-time status of each individual user

Flexible Accounting and Billing

- Programmable billing profiles allow operators to customize the billing plans for On-demand users
- Bandwidth control enables class of service for different levels of users and maximize profits
- Detailed per-user traffic history log for analysis and record keeping

Daily, weekly, and monthly billing reports.

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4ipnet® HSG260-PRT

SPECIFICATIONS

Networking

- Support IPv4 dual stack / IPv6
- Support Router, NAT mode
- Support static IP, DHCP, PPPoE , and PPTP on WAN
- Support IP Plug and Play (IP PnP)
- Built-in DHCP Server and support DHCP Relay
- Support NAT:
  (1) DMZ Server Mapping
  (2) Public Accessible Server
  (3) Port and IP Redirect
- Configurable static route
- Support email service via designated email server
- Support Walled Garden/ Walled Garden Ad List to post avertisement website links on user login portal page
- Support MAC Address Pass-Through
- Support account roaming
- IGMP Snooping

Security

- Support security standards: WEP (64/128/152 bits) and WPA-PSK TKIP & AES Cipher auto negotiation
- Support VPN Pass-Through (PPTP)
- Support Layer 2 isolation
- Layer 2/3 Firewall (incl. DoS Protection)
- IP/ MAC/ IPv6 privilege list
- Configurable user Black List
- LAN port mapping to Private Zone and Public Zone

User Management

- Support 500 local accounts
- Support 2000 on-demand accounts for visitors
- Support multi-level administrative management
- Simultaneous support for multiple authentication methods (Local, RADIUS*2, On-demand, and Free/Trial)
- Policy-based access control (per-role assignments based on Schedule Firewall Policies, Routing, Login Schedule, Bandwidth and Session)
- User Session Management:
  (1) SSL protected login portal page
  (2) Session idle timer
  (3) Session and account expiration control
  (4) Login time frame control
  (5) Session limit
- Import/Export local and on-demand accounts

Monitoring and Reporting

- Online status monitoring of users
- Uplink (WAN) connection failure alert
- Support SYSLOG server for diagnosis and troubleshooting
- Support User Logs for traffic recording
- Support user traffic session (TCP/UDP) logging
- Http/Session/User/ Configuration Change/Traffic/… Logs

System Administration

- Web-based management UI
- Customizable login and logout portal page
- SSH remote management
- Remote firmware upgrade
- Console management
- NTP time synchronization
- Backup and restore the system configuration
- SNMP v1/v2c
- Press-n-Connect 4ipWES (Wireless Easy Setup)

Accounting and Billing

- Provide billing plans for On-demand accounts
- Four On-demand account types: Usage, Duration, Volume, and Hotel Cut-off
- Support ten Wireless Ticket Generators (WTGs)
- Session expiration control for On-demand accounts
- Detailed per-user traffic history based on time for both local and On-demand accounts
- Traffic history report in an automatic email to administrator
- Support credit card payment via external payment gateway (Authorize.Net, PayPal, SecurePay, WorldPay)
- Support RADIUS accounting
- Support RADIUS VSA for volume-based quota of an external RADIUS server
- On-demand account batch creation
- Send automatic e-mail to report User Log, On-demand User Log, , On-Demand Billing Log and Monitor IP status respectively

Wireless Radio Specifications

- Wi-Fi standard: IEEE 802.11n/b/g in 2.4GHz frequency band
- Modulation: OFDM, DSSS, CCK
- Wireless Interface: 1 x 802.11 n/b/g (300/11/54 Mbps)
- 2 x 5dBi detachable (SMA Connector) field-replaceable Antenna
- RF output power: up to 100mW
- Number of multiple SSIDs: 2
- Number of WDS links: 2

Hardware Specifications

- Metal case compliant with IP50 Standard
- WAN Port: 1 × 10/100/1000 Base-T
- LAN Port: 4 × 10/100/1000 Base-T
- Console Port: 1 x DB9M
- USB Port: 1
- Quick Print Button ×1 , WES Button x 1, Reset Button, x 1
- LED Indicators: 1 × Power, 1 × Status, 1 × WLAN, 1 × WAN, 4 × LAN, 1 × WES, 1 × USB

PRT100 POS Printer

- Print Method: Thermal Line Printing
- Print Speed: 52 mm/sec
- Print Density: 384 dots/line or 8 dots/mm
- Paper Width: 57.5±0.5 mm
- Interface: Serial (RS-232C)
- Character:
- ASCII code: 12*24 dots
- Graphic font: 24*24 dots

Power Adaptor:

- AC Input: 100~240 VAC, 50~60 Hz
- Power Supply: +8 VDC / 3.5A
- Operating Temperature: 0°C ~ +50 °C
- Storage Temperature: -20°C ~ +60 °C
- Dimension: 185mm(L) x 114mm(W) x 90mm(H)
- Weight: 900g

Physical and Power

- Power adaptor (included)
  A. AC Input: 100~240 VAC, 50~60 Hz
  B. DC Output: 5V, 2A
- Form factor: Wall Mountable
- Dimensions (W x D x H): 8.7" x 5.2" x 1.7" (220 mm x 130 mm x 42 mm)
- Weight: 1.8 lbs (0.82 kg)

Environment

- Operation Temperature: -30 ~ 70 °C (-22 ~ 158 °F)
- Storage Temperature: -40 ~ 85 °C (-40 ~ 185 °F)
- Operation Humidity: 10% ~ 80% (Non-condensing)
- Storage Humidity: 5% ~ 90% (Non-condensing)

Certifications

- FCC, CE, RoHS compliant

Package Contents

- 4ipnet HSG260 x 1
- 4ipnet PRT100 x 1
- CD-ROM (User's Manual and QIG) x 1
- Quick Installation Guide (QIG) x 1
- Power Adaptor x 2
- Rubber Antenna x 2
- Console Cable x 2
- Ethernet Cable x 1

** Specifications subject to change without notice

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